## **EAST Search History**

| Ref<br># | Hits | Search Query                                                               | DBs                                       | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|----------------------------------------------------------------------------|-------------------------------------------|---------------------|---------|------------------|
| S1       | 6    | "690505".ap.                                                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:00 |
| S2       | 1    | (mimo) and (cross-talk adj<br>cancellation) and (interfer\$5 with<br>tone) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON.     | 2006/12/15 10:02 |
| S3       | 1    | (mimo) and (cross-talk near2 cancell\$4) and (interfer\$5 with tone)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:02 |
| S4       | 1    | (mimo) and ((cross adj talk) near2 cancell\$4) and (interfer\$5 with tone) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:03 |
| S5       | 1    | (mimo) and ((cross-talk) near2 cancell\$4) and (interfer\$5 same tone)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:03 |
| S6       | 1    | (mimo) and ((cross-talk) near3 cancell\$4) and (interfer\$5 same tone)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:04 |
| S7       | 1    | (mimo) and (cross-talk with cancell\$4) and (interfer\$5 same tone)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:04 |
| S8       | 1    | (mimo) and (cross-talk same cancell\$4) and (interfer\$5 same tone)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:05 |
| S9       | 1    | (mimo) and (cross-talk adj<br>cancell\$4) and (interfer\$5)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:18 |
| S10      | . 3  | (mimo) and (cross-talk near2 cancell\$4) and (interfer\$5)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:06 |
| S11      | 0    | ("2005/0143014").URPN.                                                     | USPAT                                     | AND                 | ON      | 2006/12/15 10:06 |
| S12      | 3    | (mimo) and (cross-talk with cancell\$4) and (interfer\$5)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND                 | ON      | 2006/12/15 10:07 |

## **EAST Search History**

|     |     |                                                                                       | · · · · · · · · · · · · · · · · · · ·     |     |    |                  |
|-----|-----|---------------------------------------------------------------------------------------|-------------------------------------------|-----|----|------------------|
| S13 | 3   | (mimo) and (cross adj talk with cancell\$4) and (interfer\$5)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 10:07 |
| S14 | 3   | (mimo) and (cross-talk same cancell\$4) and (interfer\$5)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 10:07 |
| S15 | 46  | (mimo) and (interfer\$5 with cancell\$4) and tone                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 10:59 |
| S16 | 188 | (mimo) and (interfer\$5 with cancell\$4)                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:51 |
| S17 | 9   | S15 and dominant                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 11:00 |
| S18 | 176 | (mimo) and (interfer\$5 with cancell\$4) and (threshold or value)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 12:45 |
| S19 | 59  | (mimo) and (interfer\$5 with cancell\$4) and (threshold or (predetermined adj value)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:47 |
| S20 | 43  | S19 not S15                                                                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 12:45 |
| S21 | 4   | mimo and (interfer\$5 with cancell\$4) and heuristic                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:48 |
| S22 | 16  | 375/346.ccls. and S16                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:51 |
| S23 | 6   | 375/349.ccls. and S18                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:51 |
| S24 | 1   | 375/222.ccls. and S18                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:52 |

## **EAST Search History**

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|-----|-----|-------------------------------------------------------------|-------------------------------------------|-----|----|------------------|
| S25 | 1   | 375/222.ccls. and S16                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 15:52 |
| S26 | 27  | \$dsl with tone with cancell\$5                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 17:12 |
| S27 | 20  | interference and (\$dsl with tone with cancell\$5)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 17:14 |
| S28 | 20  | interference and (\$dsl with tone with cancell\$5) and tone | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/15 17:15 |
| S29 | 591 | minimum with value with depend\$4 with rate                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/16 21:27 |
| S30 | 334 | (minimum near3 value) with depend\$4 with rate              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/16 21:27 |
| S31 | 137 | (minimum near3 value) near3<br>depend\$4 with rate          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/16 21:27 |
| S32 | 0   | (minimum near3 value) near3<br>depend\$4 near3rate          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/16 21:27 |
| S33 | 36  | (minimum near3 value) near3<br>depend\$4 near3 rate         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | AND | ON | 2006/12/16 21:27 |

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